

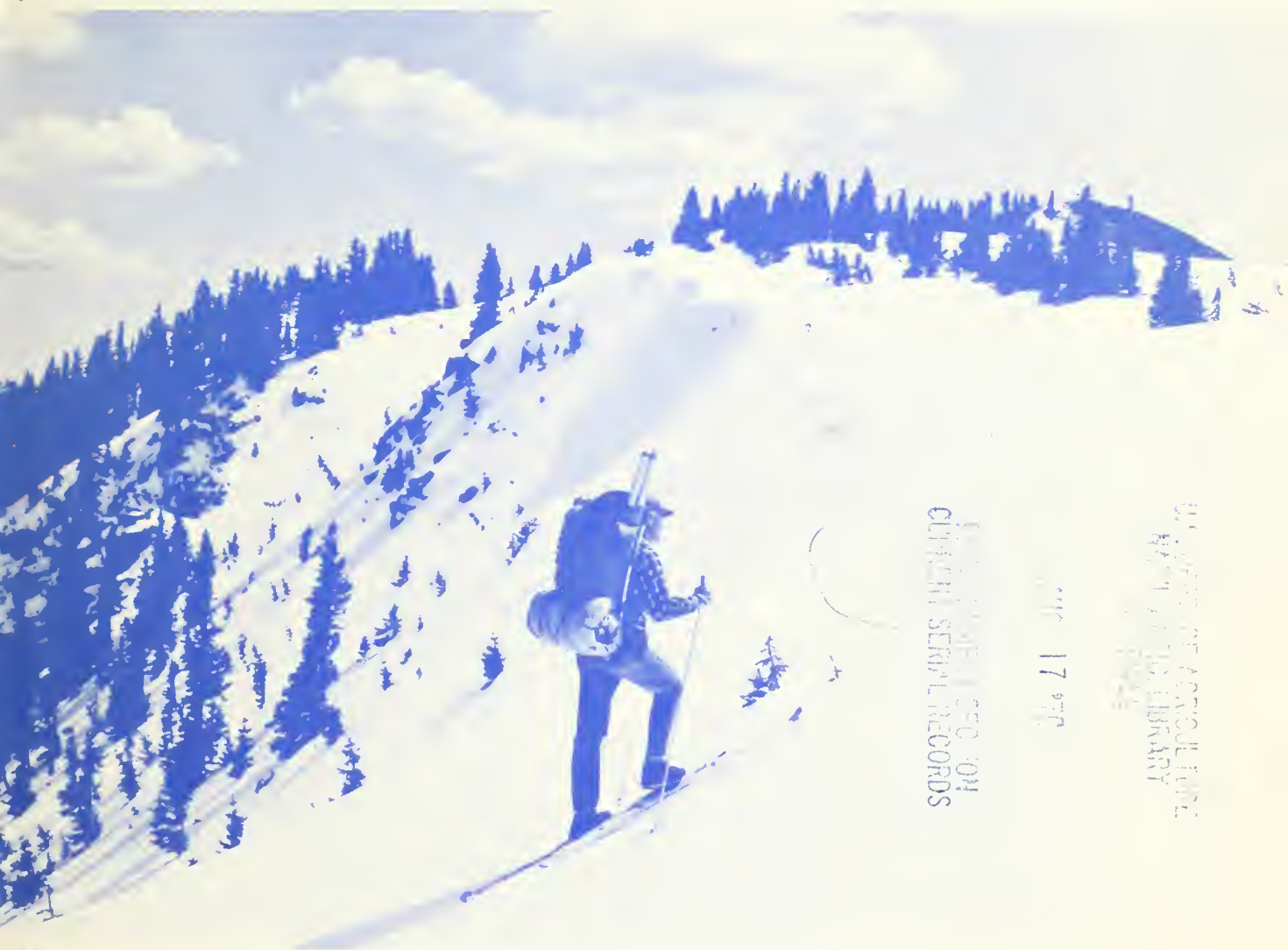
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SNOW SURVEYS and WATER SUPPLY OUTLOOK for ALASKA



U.S. DEPARTMENT OF AGRICULTURE
NATIONAL ARCHIVES
SERIAL RECORDS

MAR 17 1976

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL ARCHIVES
SERIAL RECORDS

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE
Collaborating with
ALASKA SOIL CONSERVATION DISTRICT

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAR. 1, 1976

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



FEDERAL - STATE - PRIVATE

SNOW SURVEYS

AND

WATER SUPPLY OUTLOOK

FOR

ALASKA

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NEAR ARCTIC VILLAGE

ALASKA SUMMARY
as of
MARCH 1, 1976

Snowfall during February was generally below the average expected for the month. The total winter's snowpack, therefore, remains well below normal over most of Alaska.

Forecasts of this spring's snowmelt runoff indicate that Anchorage and Fairbanks area streams will yield from 15 to 24 percent less than normal.

The area by area summary is as follows:

KOYUKUK DRAINAGE

The headwaters of the Koyukuk drainage is typical of the whole Brooks Range. The overall area is 14 percent below normal, but this is higher percentagewise than all the rest of the interior Alaska.

UPPER YUKON DRAINAGES

The snowpack north of the Yukon and Porcupine drainages averages 82 percent of normal while the area to the south averages only 68 percent. Snowmelt runoff for the Porcupine River is forecast at 76 percent of normal.

KUSKOKWIM DRAINAGE

The two snow courses in the upper Kuskokwim indicate the area's snowpack between 35 and 40 percent below normal.

TANANA-CHENA DRAINAGES

Conditions have improved slightly during the last month as snowfall was near average in many places. Snow courses in the upper Tanana now average 70 percent of normal. Streamflow in the Chena River is forecast to run 76 percent of average for the April through July period.

COPPER DRAINAGE

Conditions here are pretty much unchanged from a month ago. The Copper River Basin is nearly 40 percent below normal. However, snow courses in the Thompson Pass area indicate the coast side of the Chugach Mountains is near average at median elevations and above average at higher elevations.

MATANUSKA-SUSITNA DRAINAGES

This area also is about the same as a month ago, percentagewise. Snowpack in the upper Susitna is not quite two-thirds of the normal expected for March 1, while the Matanuska and lower Susitna valleys vary between 15 and 25 percent below normal. Two snow courses, Independence Mine and Sheep Mountain, indicate, however, that the "coastal" side of the Talkeetna Mountains may be much closer to normal at higher elevations.

UPPER COOK INLET DRAINAGES

The Upper Cook Inlet area received less than the normal snowfall increment for February. All Ship Creek courses now report below normal snowpack water content. Runoff from the Chugach Mountains through Anchorage is forecast to flow 85 percent of normal in Ship Creek and 78 percent in the South Fork of Campbell Creek.

KENAI PENINSULA

Snow courses along the Seward and Sterling highways received near normal snowfall during February and remain near normal for the winter.

SOUTHEASTERN DRAINAGES

Southeast weather has produced a very complex snowcover. Mild temperatures have reduced the snowpack generally below the short term average, but total fallen moisture is well above average.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year ^{2/}	Average [†]
YUKON RIVER at Eagle	28,500	83%	April-July	45,000	34,295
PORCUPINE RIVER near Ft. Yukon	5,500	76%	April-July	7,500	7,200*
SALCHA RIVER near Salchaket	580	76%	April-July	610	767
CHENA RIVER at Fairbanks	425	76%	April-July	500	560
LITTLE CHENA RIVER near Fairbanks	65	72%	April-July	76	93*
YUKON RIVER at Ruby	55,000	82%	April-July	80,000	67,012
SHIP CREEK near Anchorage ^{1/}	50	85%	April-July	72	59
SOUTH FORK CAMPBELL CREEK at Canyon Mouth near Anchorage	11.7	78%	April-July	19.0	15.0

1/ Measured flow adjusted for diversion.
2/ Provisional data, subject to revision.
* Estimated

SNOW

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Years of Previous Record
NAME	Number	Elevation				Last Year	Average †	
AS OF FEB. 15, 1976								
KOYUKUK DRAINAGE:								
Cold Foot Camp	107	1000	2/13	32	4.7	3.8	---	2
Dietrich Camp	106	1520	2/13	24	3.6	2.5	---	2
Glacier Creek	113	2000	NO SURVEY			3.8	---	1
Jim River	115	1900	2/15	31	5.4	N/S	---	---
Kupuk Creek	112	2300	2/14	25	4.1	2.8	---	1
Prospect Creek	108	980	2/15	28	5.3	3.9	---	2
Snowden Mountain	111	1900	2/14	24	3.9	2.6	---	1
Table Mountain	110	2200	2/14	25	3.8	2.6e	---	1
West Buttons	114	1600	2/14	23	3.9	3.7e	---	1
YUKON DRAINAGE:								
Five Mile Camp	109	400	2/15	22	3.2	6.0	---	2
Thirty Mile	116	1300	NO SURVEY			7.0	---	1
TANANA-CHENA:								
Caribou Mine	28	1115	2/13	19a	3.0e	4.8e	4.9	7
Cleary Summit	18	2230	2/13	25a	4.7e	6.7e	6.3	7
Little Chena	19	2200	2/13	22a	3.7e	5.2e	5.4	7
Mt. Ryan	20	2950	2/13	28a	4.4e	7.2e	6.7	7
Munson Ridge	23	3100	2/13	36a	8.6e	12.4e	10.4	7
Upper Chena	75	3000	2/13	24a	4.2e	6.5e	7.5	7
Wolf Creek	76	3850	2/13	10a	2.0e	2.3e	4.0	7
AS OF MARCH 1, 1976								
KOYUKUK DRAINAGE:								
Anaktuvuk Pass	1	2100	2/24	18	2.7	2.5	2.8	8
Bettles Field	2	640	2/23	28	5.1	3.9	6.7	9
Cold Foot Camp	107	1000	3/1	32	4.7	4.0	7.0	5
Dietrich Camp	106	1520	3/1	24	3.6	2.8	3.8	5
a - aerial marker reading			e - estimated			N/S - No Survey		

a - aerial marker reading

e - estimated

N/S - No Survey

+ 1958-1972 period.

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Years of Previous Record
NAME	Number	Elevation				Last Year	Average †	
<u>KOYUKUK DRAINAGE Continued:</u>								
Glacier Creek	113	2000	N O	S U R V E Y	N/S	5.1	3	
Jim River	115	1900	3/1	31	5.4	N/S	---	2
Kupuk Creek	112	2300	3/1	25	4.1	3.5e	4.3	4
Lake Todatonten	77	985	2/23	26a	4.5e	4.8e	5.1	8
Prospect Creek Camp	108	1100	3/1	28	5.3	4.9	5.8	4
Snowden Mountain	111	1900	3/1	24	3.9	3.4e	3.4	3
Table Mountain	110	2200	3/1	25	3.8	2.9e	3.5	4
West Buttons	114	1600	3/1	23	3.9	N/S	4.9	3
<u>YUKON DRAINAGE:</u>								
Arctic Village	6	2300	2/24	18	2.4	2.8	3.1	12
Black River	11	650	2/25	19	2.9	5.3	3.7	11
Boundary	15	3300	2/26	20a	3.2e	5.9e	4.5	9
Chandalar Lake	3	2040	2/24	18	2.9	2.7	3.2	10
Chicken Airstrip	16	1650	2/26	12	1.7	2.9	2.7	11
Circle City	12	600	2/26	18	2.7	6.5	3.9	11
Circle Hot Springs		960	2/26	15	1.9	N/S	---	--
Coleen River	8	1100	2/25	16a	2.2e	4.0e	2.8	11
Dempsey Creek	83	950	2/26	16a	2.3e	6.0e	4.3	7
Eagle Village	14	900	2/26	19	3.0	8.1	4.2	11
Five Mile	109	400	3/1	22	3.2	6.3	4.5	5
Fort Yukon	10	425	2/25	18	2.6	4.9	3.2	11
Koness Lake	7	1790	2/25	17	2.3	2.4	2.8	9
Log Cabin	69	2880	2/27	52	14.0	12.8	11.4	15
Mt. Fairplay	94	3100	2/26	17a	2.6e	5.1e	3.7	6
Nation River	95	3050	N O	S U R V E Y	7.4e	5.6	5	
Squaw Lake	4	2150	2/24	16a	2.6e	2.4e	3.2	9
Thirty Mile	116	1300	N O	S U R V E Y	N/S	---	2	
Venetie	5	610	2/24	19a	2.6e	2.6	2.6	11
Vundik Lake	9	950	2/25	19a	2.6e	2.5e	2.6	8
<u>KUSKOKWIM DRAINAGE:</u>								
Farewell Lake	43	1090	2/23	14	2.3	N/S	3.2	8
Lake Minchumina	42	730	2/23	15	2.2	4.8	4.1	9
<u>TANANA-CHENA:</u>								
Big Delta	29	975	2/25	11	2.0	3.5	3.0	15
Bonanza Creek	82	1150	3/2	14	2.1	5.3	4.6	8
Caribou Creek	103	1440	3/2	22	4.4	4.9	4.2	5
Caribou Mine	28	1115	2/24	19	3.2	5.4	5.2	10
Cleary Summit	18	2230	2/24	25	5.1	7.0	5.9	15
Colorado Creek	27	750	2/24	16	2.6	5.2	4.9	10
Donnelly Dome	80	2200	N O	S U R V E Y	4.5	5.1	9	
Fielding Lake	33	3000	2/26	30	6.7	12.5	8.6	13
Fort Greely	78	1420	2/26	13	2.2	3.3	3.3	9
French Creek	24	2010	2/25	17	2.9	6.0	6.2	13
Granite Creek	81	1240	2/25	14	2.2	3.0	3.1	8
Haystack Mountain	102	1950	3/2	28	5.7	5.6	5.9	5
Little Chena	19	2200	2/24	23	4.4	5.4	5.4	11
Little Salcha	25	1500	2/25	15	2.6	5.6	5.4	13
Meadows Road	79	1570	N O	S U R V E Y	2.7	2.8	9	
Mentasta Pass	31	2430	2/26	16	3.0	5.2	5.0	13
Monument Creek	127	1900	2/24	21	3.7	6.1	4.8	3
Mt. Ryan	20	2950	2/24	27	4.9	7.4	6.5	11
Munson Ridge	23	3100	2/24	37	8.5	12.7	10.6	12
Poker Creek (Crrel)	104	1025	3/2	20	3.6	4.0	4.1	5
a - aerial marker reading			e - estimated		N/S - No Survey			

† 1958-1972 period.

SNOW

SNOW

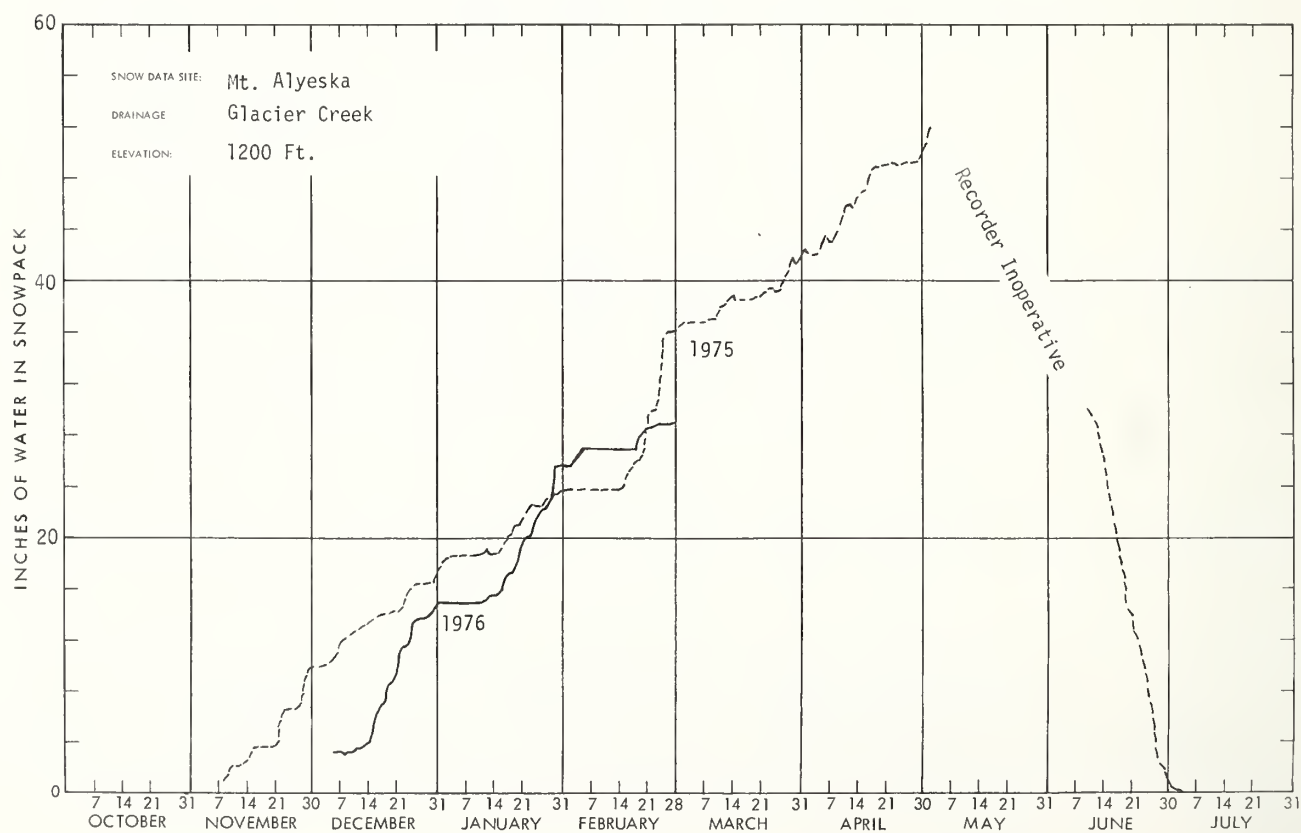
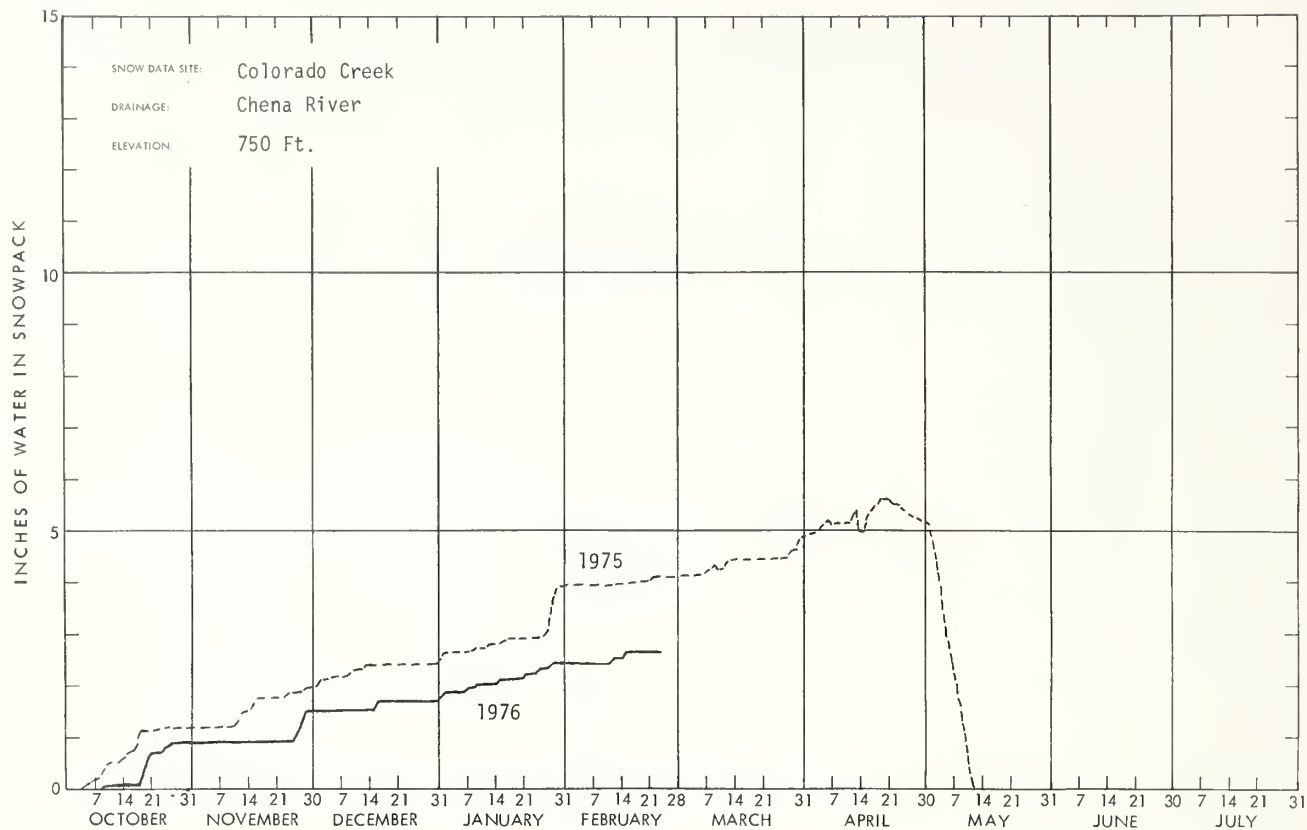
DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		Years of Previous Record
NAME	Number	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		
						Last Year	Average †	
TANANA-CHENA Continued:								
Teuchet Creek	126	1640	2/24	16	2.5	6.0	4.1	3
Tok Junction	30	1650	2/26	14	2.3	3.0	3.1	15
Upper Chena	75	3000	N O	S U R V E Y		6.6	7.6	8
Wien Lake	74	1020	2/23	17	2.6	5.3	3.9	8
Wolf Creek	76	3850	N O	S U R V E Y		N/S	3.5	6
Yak Pasture	17	540	2/24	15	2.2	5.3	4.3	14
COPPER RIVER:								
Haggard Creek	34	2540	2/26	14	2.4	5.6	4.7	11
Little Nelchina	40	4160	2/29	19a	3.2e	6.0e	4.5	8
Mankomen Lake	32	3050	DELAYED REPORT			7.7	6.0	9
St. Anne's Lake	54	1985	2/29	17	3.4	6.1	4.4	11
Sanford River	37	2280	2/29	19a	3.4e	6.2e	4.7	9
Tsaina River	119	1550	2/26	43	11.5	16.7	12.3	3
Worthington Glacier	55	2400	2/26	56	18.5	25.9	15.1	9
MATANUSKA-SUSITNA:								
Alexander Lake	49	200	2/28	26	6.6	12.2e	9.6	12
Bald Mountain Lake	47	2150	2/28	14	3.6	7.2e	6.0	11
Chelatna Lake	44	1650	2/28	40a	8.0e	10.0e	8.6	12
Clearwater Lake	36	3100	2/28	16e	2.7e	6.3	4.9	10
Fog Lakes #2	96	2250	2/28	18	2.8	6.1	5.6	6
Independence Mine	51	3300	3/1	48	14.0	18.7	14.8	9
Lake Louise	41	2400	2/29	14	2.1	4.3	3.5	10
Monahan Flat	35	2710	2/28	25	4.4	9.0	6.3	11
Oshetna Lake	39	2950	2/29	13	2.2	4.5	3.3	12
Peters Hills	45	2010	2/28	49a	10.8e	14.3e	12.2	8
Sheep Mountain #2	120	2900	2/26	18	3.8	4.9	4.3	3
Skwentna	48	158	2/28	27	6.6	10.0	8.4	9
Talkeetna	46	350	2/28	25	5.8	10.4	7.0	9
Willow Airstrip	50	150	2/29	19	4.0	7.9	6.1	12
UPPER COOK INLET:								
Arctic Ski Bowl	65	3000	3/2	26	7.4	11.9	10.5	12
Arctic Valley #1	61	500	3/2	9	1.6	7.0	3.1	12
Arctic Valley #2	62	1000	3/2	12	1.8	6.3	3.2	12
Arctic Valley #3	63	2030	3/2	21	4.1	8.5	5.3	12
Arctic Valley #4	64	2330	3/2	23	4.8	8.5	5.8	12
Bird Creek	66	2350	2/27	39	12.2	20.4	13.8	9
Indian Pass	68	2350	2/27	50	15.3	17.4	16.5	9
McArthur	52	120	N O	S U R V E Y		23.1e	17.4	11
Mt. Alyeska	128	1200	3/1	81	29.0	37.5	26.3	3
Ship Creek	67	1750	2/27	31	8.2	11.6	9.0	9
South Campbell Creek	129	1200	2/27	17	3.2	9.2	6.8	3
PRINCE WILLIAM SOUND:								
Lowe River	118	550	2/26	50	13.5	16.8	---	2
Valdez	117	50	2/26	50	15.7	16.5	---	2
a - aerial marker reading e - estimated N/S - No Survey								

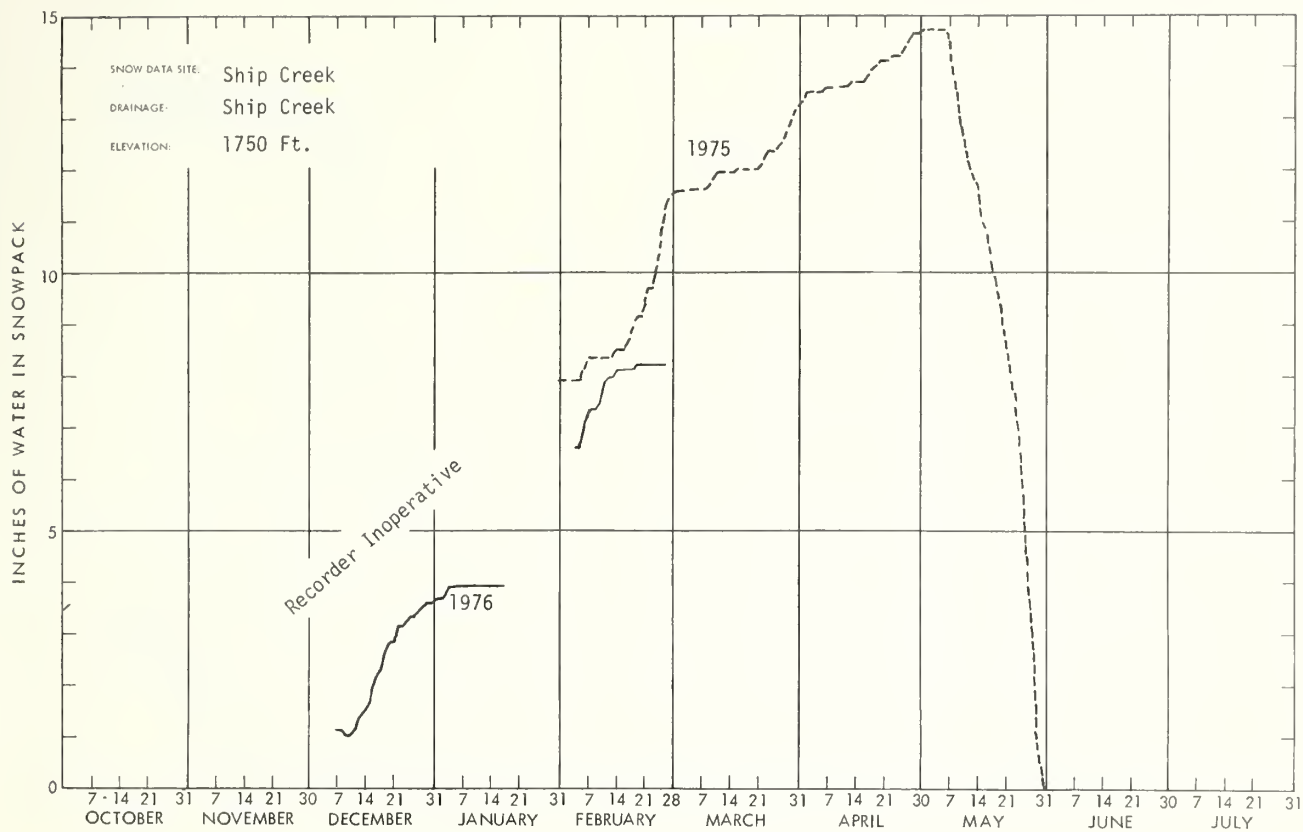
† 1958-1972 period.

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Years of Previous Record
NAME	Number	Elevation				Last Year	Average †	
<u>KENAI PENINSULA:</u>								
Bertha Creek	98	850	2/26	48	12.6	13.3	11.2	6
Bridge Creek, Lower	122	1100	2/25	33	9.0	14.6	10.6	4
Bridge Creek, Upper	121	1300	2/25	33	9.6	13.9	10.5	4
Jean Lake	101	620	2/26	14	3.0	4.8	3.1	6
Kenai Summit	99	1390	2/26	34	8.7	9.8	9.4	6
Moose Pass	100	700	2/26	22	5.9	7.0	4.8	6
<u>SOUTHEAST ALASKA:</u>								
Crater Lake	73	1750	N O	S U R V E Y		74.0	57.0	11
Douglas Ski Bowl	84	1640	N O	S U R V E Y		N/S	34.8	8
Harriet Top	123	2000	3/1	134	51.0	58.0	53.7	3
Hunt Saddle	124	1500	3/1	96	33.8	40.2	43.2	3
Lake Shore	125	660	3/1	69	19.4	27.0	31.1	3
Long Lake	71	1075	N O	S U R V E Y		48.5	40.3	11
Speel River	72	275	DELAIED REPORT			35.8	34.5	11
Upper Long Lake	70	1000	N O	S U R V E Y		45.0	35.8	11
a - aerial marker reading e - estimated N/S - No Survey								

† 1958-1972 period.







NOW COURSES AND RELATED
DATA MEASURING SITES

ALASKA

1976

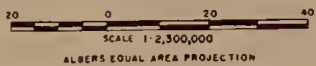


M7-EN-22020
USGS-SCS-PORTLAND, OREG. 9775



SNOW COURSES AND RELATED
DATA MEASURING SITES
ALASKA

1976



INDEX OF ALASKA SNOW COURSES

MAP NO.	COURSE NAME	COURSE NO. * *	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. BY *	MAP NO.	COURSE NAME	COURSE NO. * *	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. BY *
1	Anaktuvuk Pass	51TT1A	2100	68°09'N	151°41'W	3,4	a	79	Meadows Road	45002	1570	63°52'N	145°50'W	1,2,3,4,5,7	a
2	Bettles Field	51RR1A	640	66°35'N	151°32'W	3,4	a	80	Oonnelly Dome	45003	2200	63°47'N	145°43'W	1,2,3,4,5,7	a
3	Chandalar Lake	48SS1A	2040	67°30'N	148°30'W	3,4	a	81	Granite Creek	45004	1240	63°57'N	145°24'W	1,2,3,4,5,7	a
4	Squaw Lake	48SS2a	2150	67°33'N	148°15'W	3,4	a	82	Bonanza Creek	48PP1	1150	64°45'N	148°20'W	2,3,4,5	b
5	Venetie	46SS1A	610	67°03'N	146°25'W	3,4,7	a	83	Oempsey Creek	41RR2A	950	66°06'N	141°48'W	3,4	a
6	Arctic Village	45TT1A	2300	68°05'N	145°35'W	3,4	a	84	Oouglas Ski Bowl	34JJ1	1640	58°16'N	134°27'W	3,4,5	b
7	Koness Lake	44SS1A	1790	67°55'N	144°08'W	3,4	a	86	Wolverine Glacier (A)	48LL1	2130	60°23'N	148°54'W	1,2,4,5,6,7	g
8	Coleen River	42SS1A	1100	67°44'N	142°28'W	3,4,7	a	87	Wolverine Glacier (8)	48LL2	3610	60°25'N	148°55'W	2,3,4,5,6,7	g
9	Vundik Lake	43SS1A	950	67°23'N	143°45'W	3,4	a	88	Wolverine Glacier (C)	48LL3	4430	60°25'N	148°55'W	1,2,4,6,7	g
10	Fort Yukon	45RR1AM	430	66°35'N	145°15'W	3,4,7	a	89	Gulkana Glacier (A)	45006	4590	63°15'N	145°29'W	2,3,4,5,6,7	g
11	Black River	42RR1A	650	66°36'N	142°45'W	3,4,7	a	90	Gulkana Glacier (8)	45007	5480	63°17'N	145°26'W	2,3,4,5,6,7	g
12	Circle City	44QQ3A	600	65°50'N	144°05'W	3,4,7	a	91	Gulkana Glacier (C)	45008	6360	63°19'N	145°29'W	5,6,7	g
14	Eagle Village	41PP1A	900	64°08'N	141°08'W	3,4,7	a	93	Blue Lake	35II2	950	57°04'N	135°10'W	3,4,5	b
15	Boundary	41PP3A	3300	64°05'N	141°27'W	3,4	a	94	Mt. Fairplay	42001a	3100	63°42'N	142°17'W	3,4,5	a
16	Chicken Airstrip	41PP2A	1650	64°05'N	141°45'W	3,4,7	a	95	Nation River	41QQ1a	3050	65°25'N	141°40'W	3,4	a
17	Yak Pasture	47PP1	540	64°52'N	147°55'W	2,3,4,5	a	96	Fog Lakes #2	48NN2A	2250	62°47'N	148°29'W	2,3,4,5	a,c
18	Cleary Summit	47QQ1A	2230	65°03'N	147°24'W	1,2,3,4,5,7	a	98	Bertha Creek	49LL2	850	60°45'N	149°51'W	2,3,4,5	a
19	Little Chena	46QQ2AP	2200	65°08'N	146°32'W	2,3,4,5,7	a	99	Kenai Summit	49LL3	1390	60°40'N	149°28'W	2,3,4,5	a
20	Mt. Ryan	46QQ1AP	2950	65°16'N	146°07'W	2,3,4,5,7	a	100	Moose Pass	49LL4	700	60°31'N	149°30'W	2,3,4,5	a
21	Chena Hot Springs	45QQ1	1250	65°03'N	145°03'W	2,3,4,5,7	a	101	Jean Lake	50LL1	620	60°31'N	150°11'W	2,3,4,5	a
22	Big Windy	44QQ2AP	3850	65°07'N	144°52'W	2,3,4,5,7	a	102	Haystack Mtn.	47QQ2	1950	65°08'N	147°38'W	2,3,4,5	d
23	Munson Ridge	46PP1AP	3100	64°52'N	146°13'W	2,3,4,5,7	a	103	Caribou Creek	47QQ3	1440	65°09'N	147°35'W	2,3,4,5	d
24	French Creek	46PP2MA	2010	64°43'N	146°40'W	2,3,4,5,7	a	104	Poker Creek	47QQ4S	1025	65°08'N	147°32'W	2,3,4,5,7	d
25	Little Salcha	46PP3	1500	64°38'N	146°44'W	2,3,4,5,7	a	105	Elusive Lake	47TT1A	1800	68°39'N	147°30'W	3,4,5	f
27	Colorado Creek	46PP4S	750	64°52'N	146°39'W	1,2,3,4,5,7	a	106	Oietrich Camp	49SS1A	1550	67°42'N	149°45'W	2,3,4,5	f
28	Caribou Mine	45PP2A	1115	64°40'N	145°40'W	2,3,4,5,7	a	107	Cold Foot Camp	50SS1	1000	67°16'N	150°10'W	1,2,3,4	f
29	Big Delta	45PP1	980	64°14'N	145°58'W	2,3,4,5	a	108	Prospect Creek	50RR1	980	66°47'N	150°45'W	2,3,4,5	f
30	Tok Junction	43001	1650	63°18'N	143°00'W	2,3,4,5	a	109	Five Mile Camp	49RR1	400	65°55'N	149°48'W	2,3,4,5	f
31	Mentasta Pass	43NN1	2430	62°51'N	143°30'W	2,3,4,5	a	110	Table Mountain	49SS3a	2200	67°58'N	149°45'W	2,3,4,5	f
32	Mankomen Lake	44NN1	3050	63°00'N	144°32'W	2,3,4,5	a	111	Snowden Mtn.	49SS4a	1900	67°50'N	149°41'W	2,3,4,5	f
33	Fielding Lake	45001A	3000	63°18'N	145°33'W	2,3,4,5	a	112	Kupuk Creek	50SS2a	2300	67°48'N	150°08'W	2,3,4,5	f
34	Haggard Creek	45NN1A	2540	62°42'N	145°28'W	2,3,4,5	a	113	Glacier Creek	49SS2a	2000	67°28'N	149°31'W	2,3,4,5	f
35	Monahan Flat	47001A	2710	63°18'N	147°39'W	2,3,4,5	a,c	114	West Buttons	49SS5a	1600	67°17'N	149°34'W	2,3,4,5	f
36	Clearwater Lake	46NN1A	3100	62°59'N	146°58'W	2,3,4,5	a,c	115	Jim River	49RR1a	1900	66°51'N	149°50'W	2,3,4,5	f
37	Sanford River	45NN2A	2280	62°13'N	145°04'W	2,3,4,5	a,c	116	Thirty Mile	50RR2a	1300	66°13'N	150°15'W	2,3,4,5	f
38	Fog Lakes	48NN1A	2270	62°47'N	148°30'W	2,3,4,5	a,c	117	Valdez	46MM2	50	61°08'N	146°20'W	2,3,4,5	a
39	Oshetna Lake	47NN1A	2950	62°23'N	147°29'W	2,3,4,5	a,c	118	Lowe River	45MM3	550	61°06'N	145°50'W	3,4,5	a
40	Little Nelchina	47NN2a	4160	62°07'N	147°36'W	2,3,4,5	a,c	119	Tsaina River	45MM4	1500	61°12'N	145°30'W	3,4,5	a
41	Lake Louise	46NN2A	2400	62°17'N	146°30'W	2,3,4,5	a,c	120	Sheep Mtn. #2	47MM2	2900	61°47'N	147°30'W	3,4,5	a
42	Lake Minchumina	52001A	730	63°53'N	152°18'W	3,4	a	121	Bridge Creek (UP)	51KK1	1300	59°42'N	151°28'W	3,4,5	a
43	Farewell Lake	53NN1A	1090	62°34'N	153°35'W	3,4	a	122	Bridge Creek (LO)	51KK2	1100	59°40'N	151°32'W	3,4,5	a
44	Chelatna Lake	51NN1a	1650	62°31'N	151°29'W	2,3,4,5	a,c	123	Harriet Top	31GG1	2000	55°29'N	131°37'W	3,4,5	b
45	Peters Hills	50NN1a	2010	62°31'N	150°57'W	2,3,4,5	a,c	124	Hunt Saddle	31GG2	1500	55°30'N	131°37'W	3,4,5	b
46	Talkeetna	50NN2	350	62°18'N	150°05'W	2,3,4,5	a,c	125	Lake Shore	31GG3	660	55°29'N	131°36'W	3,4,5	b
47	Bald Mt. Lake	49NN1A	2150	62°15'N	149°45'W	2,3,4,5	a,c	126	Teuchet Creek	45PP3	1640	64°57'N	145°31'W	2,3,4,5	a
48	Skwentna	51MM1A	160	61°58'N	151°12'W	2,3,4,5	a,c	127	Monument Creek	45QQ2	1900	65°03'N	145°55'W	2,3,4,5	a
49	Alexander Lake	50MM1A	200	61°45'N	150°54'W	2,3,4,5	a,c	128	Mt. Alyeska	49LL15S	1200	60°57'N	149°05'W	2,3,4,5	b,a
50	Willow Airstrip	50MM2	150	61°45'N	150°03'W	2,3,4,5	a,c	129	South Campbell Creek	49MM11	1200	61°08'N	149°42'W	2,3,4,5	a
51	Independence Mine	49MM1O	3300	61°45'N	149°25'W	3,4,5	a								
52	McArthur	52LL1A	120	61°00'N	152°00'W	2,3,4,5	a,c								
53	Sheep Mountain	47MM1	2700	61°47'N	147°29'W	3,4,5	a								
54	St. Anne's Lake	46MM1A	1990	61°53'N	146°03'W	2,3,4,5	a,c								
55	Worthington Glacier	45MM2	2400	61°10'N	145°45'W	3,4,5	a								
56	Moraine	48MM1	2100	61°22'N	148°59'W	3,4,5,7	e								
57	Ptarmigan	48MM2	3000	61°22'N	148°59'W	3,4,5,7	e								
59	Goat	48MM7A	3200	61°14'N	148°51'W	3,4,5,7	e								
60	Grizzly	48MM4A	5000	61°15'N	148°56'W	3,4,7	e								
61	Arctic Valley #1	49MM1	500	61°13'N	149°40'W	2,3,4,5	c								
62	Arctic Valley #2	49MM2	1000	61°13'N	149°37'W	2,3,4,5	c								
63	Arctic Valley #3	49MM3	2030	61°14'N	149°35'W	2,3,4,5	c								
64	Arctic Valley #4	49MM4	2330	61°14'N	149°33'W	2,3,4,5	c								
65	Arctic Ski Bowl	49MM5	3000	61°15'N	149°31'W	2,3,4,5	c								
66	Bird Creek	49MM6A	2350	61°06'N	149°20'W	2,3,4,5,7	a								
67	Ship Creek	49MM7MPS	1750	61°08'N	149°28'W	2,3,4,5	a								
68	Indian Pass	49MM8A	2350	61°05'N	149°29'W	2,3,4,5	a								
69	Log Cabin (8.C.)	34KK1	2880	59°45'N	134°58'W	3,4,5	e								
70	Upper Long Lake	33JJ2aS	1000	58°11'N	133°53'W	3,4,5,6,7	e								
71	Long Lake	33JJ1A	1080	58°12'N	133°47'W	3,4,5,6,7	e								
72	Speel River	33JJ3A	280	58°09'N	133°43'W	3,4,5,6,7	e								
73	Crater Lake	33JJ4a	1750	58°08'N	133°43'W	3,4,5,6,7	e								
74	Wien Lake	51PP1A	1020	64°22'N	151°18'W	3,4	a								
75	Upper Chena	44QQ1AP	3000	65°07'N	144°55'W	2,3,4,5,7	a								
76	Wolf Creek	44QQ4a	3850	65°08'N	144°57'W	2,3,4,5,7	a								
77	Lake Todatonten	52RR1a	980	66°10'N	152°55'W	3,4	a								
78	Ft. Greely	45005	1420	63°57'N	145°45'W	1,2,3,4,5,7	a								

LEGEND

- * Numerals 1,2,3,4,5,and 6 refer to January 1, February 1, March 1, April 1, May 1, June 1, and 7 - for special dates.
- * Letters refer to Agency that secures the snow survey, as follows:
 - a. Soil Conservation Service
 - b. Forest Service
 - c. U.S. Army Corps of Engineers
 - d. U.S. Army Cold Regions Research & Eng. Lab
 - e. Alaska Power Administration
 - f. Bureau of Land Management
 - g. U.S. Geological Survey
- * Letters following the snow course no. refer to:
 - * A. Snow course and aerial stadia marker
 - * a. Aerial stadia marker only
 - M. Soil Moisture Station
 - P. Precipitation Storage Gage
 - S. Snow Pillow

MAP NO.	COURSE NAME	C	LONG.	MEAS. DATES *	MEAS. BY *
1	Anaktuvuk Pass	51°N	145°50'W	1,2,3,4,5,7	a
2	Bettles Field	51°N	145°43'W	1,2,3,4,5,7	a
3	Chandalar Lake	48°N	145°24'W	1,2,3,4,5,7	a
4	Squaw Lake	48°N	148°20'W	2,3,4,5	b
5	Venetie	46°N	141°48'W	3,4	a
6	Arctic Village	45°N	134°27'W	3,4,5	b
7	Koness Lake	44°N	148°54'W	1,2,4,5,6,7	g
8	Coleen River	42°N	148°55'W	2,3,4,5,6,7	g
9	Vundik Lake	43°N	148°55'W	1,2,4,6,7	g
10	Fort Yukon	45°N	145°29'W	2,3,4,5,6,7	g
11	Black River	42°N	145°26'W	2,3,4,5,6,7	g
12	Circle City	44°N	145°29'W	5,6,7	g
14	Eagle Village	41°N	135°10'W	3,4,5	b
15	Boundary	41°N	142°17'W	3,4,5	a
16	Chicken Airstrip	41°N	141°40'W	3,4	a
17	Yak Pasture	47°N	148°29'W	2,3,4,5	a,c
18	Cleary Summit	47°N	149°51'W	2,3,4,5	a
19	Little Chena	46°N	149°28'W	2,3,4,5	a
20	Mt. Ryan	46°N	149°30'W	2,3,4,5	a
21	Chena Hot Springs	45°N	150°11'W	2,3,4,5	a
22	Big Windy	44°N	147°38'W	2,3,4,5	d
23	Munson Ridge	46°N	147°35'W	2,3,4,5	d
24	French Creek	46°N	147°32'W	2,3,4,5,7	d
25	Little Salcha	46°N	147°30'W	3,4,5	f
27	Colorado Creek	46°N	149°45'W	2,3,4,5	f
28	Caribou Mine	45°N	150°10'W	1,2,3,4	f
29	Big Delta	45°N	150°45'W	2,3,4,5	f
30	Tok Junction	43°N	149°48'W	2,3,4,5	f
31	Mentasta Pass	43°N	149°45'W	2,3,4,5	f
32	Mankomen Lake	44°N	149°41'W	2,3,4,5	f
33	Fielding Lake	45°N	150°08'W	2,3,4,5	f
34	Haggard Creek	45°N	149°31'W	2,3,4,5	f
35	Monahan Flat	47°N	149°34'W	2,3,4,5	f
36	Clearwater Lake	46°N	149°50'W	2,3,4,5	f
37	Sanford River	45°N	150°15'W	2,3,4,5	f
38	Fog Lakes	46°N	146°20'W	2,3,4,5	a
39	Oshetna Lake	47°N	145°50'W	3,4,5	a
40	Little Nelchina	47°N	145°30'W	3,4,5	a
41	Lake Louise	46°N	147°30'W	3,4,5	a
42	Lake Minchumina	52°N	151°28'W	3,4,5	a
43	Farewell Lake	53°N	151°32'W	3,4,5	a
44	Chelatna Lake	51°N	131°37'W	3,4,5	b
45	Peters Hills	50°N	131°37'W	3,4,5	b
46	Talkeetna	50°N	131°36'W	3,4,5	b
47	Bald Mt. Lake	45°N	145°31'W	2,3,4,5	a
48	Skwentna	51°N	145°55'W	2,3,4,5	a
49	Alexander Lake	50°N	149°05'W	2,3,4,5	b,a
50	Willow Airstrip	50°N	149°42'W	2,3,4,5	a
51	Independence Mine	45°			
52	McArthur	52°			
53	Sheep Mountain	47°			
54	St. Anne's Lake	46°			
55	Worthington Glacier	45°			
56	Moraine	48°			
57	Ptarmigan	48°			
59	Goat	48°			
60	Grizzly	48°			
61	Arctic Valley #1	45°	to January 1,		
62	Arctic Valley #2	45°	ay 1, June 1,		
63	Arctic Valley #3	45°			
64	Arctic Valley #4	45°			
65	Arctic Ski Bowl	45°	ures the snow		
66	Bird Creek	45°			
67	Ship Creek	45°			
68	Indian Pass	45°			
69	Log Cabin (B.C.)	34°			
70	Upper Long Lake	34°	ch & Eng. Lab		
71	Long Lake	34°			
72	Speel River	34°			
73	Crater Lake	34°			
74	Wien Lake	5°			
75	Upper Chena	45°	no. refer to:		
76	Wolf Creek	45°	marker		
77	Lake Todatonten	50°			
78	Ft. Greely	45°			

AGENCIES AND ORGANIZATIONS COOPERATING IN ALASKA SNOW SURVEYS

FEDERAL

Atomic Energy Commission

Department of Agriculture
Forest Service

Institute of Northern Forestry
North Tongass National Forest
South Tongass National Forest
Chugach National Forest

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA National Weather Service

Department of Defense
U.S. Army Corps of Engineers
U.S. Army Cold Regions Research and Engineering Laboratory

Department of Interior
Bureau of Land Management
Geological Survey
Alaska Power Administration

STATE

Alaska Department of Highways

Alaska Soil Conservation District
Fairbanks Soil Conservation Sub-district
Homer Soil Conservation Sub-district
Kenai-Kasilof Soil Conservation Sub-district
Kenny Lake Soil Conservation Sub-district
Kodiak Soil Conservation Sub-district
Montana Soil Conservation Sub-district
Ninilchik Soil Conservation Sub-district
Palmer Soil Conservation Sub-district
Salcha-Big Delta Soil Conservation Sub-district
Wasilla Soil Conservation Sub-district
University of Alaska

BOROUGH

Greater Anchorage Area Borough

MUNICIPALITIES

City of Anchorage

PRIVATE

Mt. Alyeska Resort, Inc.

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